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## (54) PRODUCTION OF ARYL FLUORINE-SUBSTITUTED AROMATIC CARBOXYLATE

### (57)Abstract:

**PURPOSE:** To obtain the titled compound useful as an intermediate for medicines and agricultural chemicals in high selectivity and yield, by reacting a fluorine- substituted aromatic halide with CO and a hydroxyl compound in the presence of a Pd catalyst and base in the absence of a phosphine compound.

**CONSTITUTION:** A fluorine-substituted aromatic halide compound having fluorine atom and a halogen atom different from the halogen directly linked to the aromatic ring, preferably a benzene derivative, particularly p-fluorobromo- or p-fluoroiodobenzene is reacted with carbon monoxide and an aromatic hydroxy compound, preferably phenol or 2,6-dimethylphenol in the presence of a Pd catalyst and base in the absence of a phosphine compound at 100W350°C, preferably 180W300°C temperature under 1W500kg/cm<sup>2</sup>, preferably 5W300kg/cm<sup>2</sup> pressure to afford the aimed compound.

**EFFECT:** An intermediate for monomers giving heat-resistant polymers.

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